

LYDIA PLEOTIS HOWELL, M.D.

OFFICE ADDRESSES

Davis Office:

Dean's Office, MS1-A
School of Medicine
University of California, Davis
Davis, CA 95616
Telephone: (530) 752-0422
Fax: (530) 752-4021

Sacramento Office:

Dean's Office, PSSB Ste. 1100
University of California, Davis
Medical Center
Sacramento, CA 95817
Telephone: (530) 734-8370

e-mail: lydia.howell@ucdmc.ucdavis.edu

CURRENT POSITION

Associate Dean of Academic Affairs
Professor of Pathology

12/01-present
7/00-present

PREVIOUS POSITIONS

ACADEMIC

Visiting Assistant Professor of Pathology, UC Davis School of Medicine 9/86-10/87

Staff Physician, Clinical Assistant Professor of Pathology
University of California, Davis 4/88-6/90

Assistant Professor of Pathology, UC Davis School of Medicine 6/90-6/94

Associate Professor of Pathology, UC Davis School of Medicine 7/94-6/00

ADMINISTRATIVE

Director, Fine Needle Biopsy Clinic of Sacramento
Diagnostic Pathology Medical Group, Sacramento, CA 10/87-4/88

Director of Cytology, UC Davis Medical Center 10/90-7/02

Director of Anatomic Pathology, UC Davis Medical Center 11/95-2/98

Faculty Assistant to the Dean, UC Davis School of Medicine 7/99-7/01

Acting Associate Dean, Academic Affairs, UC Davis School of Medicine Summer qtr., 2000

Secretary, Medical Staff, UC Davis Medical Center 7/00-1/02

EDUCATION

Northwestern University Medical School, Chicago, IL
Honors Program in Medical Education
Bachelor of Science in Medicine
Doctor of Medicine

POST-GRADUATE TRAINING

Fellowship in Cytopathology
Lankenau Hospital, Philadelphia, PA, (an affiliate of Jefferson Medical College)
Chief Resident in Anatomic and Clinical Pathology
Resident in Anatomic and Clinical Pathology
Temple University Hospital, Philadelphia, PA

Fellow, Executive Leadership in Academic Medicine,
Medical College of Pennsylvania, Philadelphia, PA

LICENSURE AND CERTIFICATION

Diplomate, National Board of Medical Examiners
Diplomate in Anatomic and Clinical Pathology, American Board of Pathology
Added Qualification in Cytopathology, American Board of Pathology
Licensed to practice medicine in California

TEACHING ACTIVITIES

Pathology Laboratories and Lectures, Medical Pathology 501 and 370, Temple University Medical School and School of Allied Health Professions	1981-85
Laboratories and Lectures, General Pathology and Systemic Pathology, UC Davis Medical School	1986-present
Pathology Curriculum Coordinating Committee	1989-91
Course Director, Annual Pathology Forum, UC Davis	1991-95
Facilitator, Applied Medical Principles Course, UCD School of Medicine	2001-present

MEMBERSHIP IN PROFESSIONAL SOCIETIES

United States & Canadian Academy of Pathology
American Society of Clinical Pathology
American Society of Cytology

AWARDS AND HONORS

Christine Landgraf Memorial Research Award	1993
Included in "Best Doctors in the Region", Sacramento Magazine	12/01

WORKGROUPS. ADVISORY POSITIONS, CONSULTANTSHIPS

Local and State Agencies

Grant Advisory Board, Breast and Cervical Cancer Detection Project, California Dept. of Health Services	1992
Cervical Expert Workgroup, Breast and Cervical Cancer Detection Project, California Dept. of Health Services	1992-present

Breast Expert Workgroup, Breast and Cervical Cancer Detection Project, California Dept. of Health Services	1995-present
--	--------------

Reviewer, Breast Cancer Education CD-ROM, California Dept. of Health Services	1997
---	------

National Agencies and Organizations

Cytology Education Consortium, Centers for Disease Control, US Dept. of Health and Human Services	11/94
---	-------

Committee on Standards for FNA of the Breast, National Cancer Institute	3/96
---	------

Consultant, Hematology and Pathology Devices Panel, Medical Devices Advisory Committee, Center for Devices and Radiologic Health, US Food & Drug Administration.	1999-2002
--	-----------

Consultant, Task Force on New Technologies for Cervical Cancer Screening, Centers for Disease Control and Prevention	7/99
--	------

Cervical Cancer Professional Education Workgroup, Centers for Disease Control and Prevention	1/00-8/00
--	-----------

Moderator, LSIL/HSIL Forum, Bethesda System 2001 Workshop to Revise the Uniform Terminology to Report the Results of Cervical Cytopathology, National Cancer Institute	12/00-5/01
--	------------

Delegate-at-large, American Society of Colposcopic and Cervical Cytology Consensus Conference on the Management of Cytological Abnormalities and Cervical Cancer Precursors, National Cancer Institute	6/01-9/01
--	-----------

Member, Hematology and Pathology Devices Panel, Medical Devices Advisory Committee, Center for Devices and Radiologic Health, US Food and Drug Administration.	2003-present
--	--------------

Industry

Scientific Advisor, BioLuminate Inc., San Carlos, CA	2001-present
--	--------------

COMMITTEES

Hospital and University

Cancer Committee, UC Davis	1991-95
Quality Assurance Committee, Dept. of Pathology, UC Davis	1991-98
Residency Advisory Committee, Dept. of Pathology, UC Davis	1989-91
Admissions Reviewer, UC Davis School of Medicine	1991-92
Dept. of Pathology Finance Advisory Committee, UC Davis	1993-2001
Credentials and Privileges Committee	1998-1999
Medical Staff Executive Committee	2000-01
Quality of Care Committee	2000-01
Self-Testing Accreditation Committee	2000-01

Local and State

Board of Directors, Northern California Pathology Society	1992-2000
---	-----------

National

American Society of Cytopathology	
Member, Future Meetings Committee	1990-93
Chairman, Future Meetings Committee	1993-96
Member, Program Committee	1996-98
Chairman, Local Arrangements Committee	1998-99
Co-Chair, Development Committee	2000-01
Member, Development Committee	2001-present

GUEST LECTURES AND WORKSHOPS

Fine Needle Aspiration Biopsy Workshop, Cancer Management Course, sponsored by the American College of Surgeons and the Department of Surgery, University of California, Davis Medical Center, Sacramento, CA	11/87
“The Prostate: Diagnostic Criteria”, Fine Needle Aspiration of the Panel Luncheon, 35 th Annual Scientific Meeting, New Orleans, LA	11/87
“The Clinical Value of Fine Needle Aspiration in the Evaluation of Breast Lesions”, Dept. of Obstetrics and Gynecology, UC Davis Medical School, Lake Tahoe, NV	2/87
“Fine Needle Aspiration of Pediatrics Masses”, Lecture and workshop, California Association of Cytotechnology Annual Conf., Redwood City, CA	6/92
“Cytology and Radiology: A Team Approach to Diagnosis”, Winter Meeting, San Francisco-Bay Area Chapter, California Association of Cytotechnologists, Sacramento, CA	2/93
“Cytopathology of the Head and Neck”, Bay Area Seminars in Cytopathology, UCSF, San Francisco, CA	4/93
Panelist, Diagnostic Slide Seminar, 41 st Annual Scientific Meeting, American Society of Cytology, Houston, TX	11/93
Workshop Director, #3433 Head and Neck Pathology: Fine Needle Aspiration and Frozen Sections. ASCP Spring Meeting, Seattle, WA, 4/94; Fall Meeting, New Orleans, LA	9/95
“Diagnostic of the Palpable Breast Mass: The Role of FNA” and “What Does the Cytology Report Mean? Update on the Bethesda System”, Cancer in Women Course, UC Davis, Dept. of Surgery, Sacramento, CA	4/94
“Update on the Bethesda System”, Ambulatory OB-Gyn Course, UC Davis, Dept. of OB-Gyn, Incline Village, NV	2/95
Teleconference, “Fine Needle Aspiration Biopsy of Pediatric Masses”, American Society of Cytopathology Cytoteleconference Series	8/95

Panelist, “Integration of Computerized Rescreening Devices into the Routine Practice of Gynecologic Cytology”, and research presentation, Roche CytoRich User’smeeting, 4 th International Conference on the Computerized Cytology and Histology Laboratory, International Academy of Cytology, Chicago, IL	3/96
“Experience with Roche CytoRich Preparations in Cytology: Preliminary Results from UC Davis”, CytoRich Users Meeting, Chicago, IL	3/96
“Fine Needle Aspiration of Pediatric Masses”, American Society of Clinical Pathologists Teleconference Series	4/99
“Fine Needle Aspiration of Pediatrics Masses”, Teleconference Network of Texas	9/99
“Breast and Cervical Pathology”, Breast and Cervical Cancer Control Project Clinical Conference, California Department of Health Services, San Diego, CA	9/99
Moderator, “New Pap Smear Technologies in the Managed Care Environment”, Panel Luncheon, American Society of Cytopathology, Annual Scientific Meeting, Sacramento, CA	1/99
“New Pap Smear Technologies”, Winter Conference, Dept. of OB-GYN, UC Davis, Lake Tahoe, NV	2/00
“Clinical Algorithm for the Patient with a Palpable Breast Abnormality”, Spring Symposium, Dept. of Obstetrics and Gynecology, UC Davis, Sacramento, CA	4/00
"Diagnosis and Evaluation of the Breast Lump: Breast Biopsy vs. Fine Needle Aspiration" Women's Health Primary Care Provider Symposium, UC Davis Health System, Sacramento, CA	4/01
"Breast Pathology", Northern California Cancer Registrars Association, Sacramento, CA	11/01
“Optical Methods for the Diagnosis of Breast Cancer”, Cancer Update 2003, American Cancer Society, Sacramento chapter, Sacramento, CA	3/03
“Mission-Based Reporting In Action”, GIP/GBA meeting, American Association of Medical Colleges, Fort Lauderdale, FL	5/03

RESEARCH PROJECTS, GRANTS AND CONTRACTS

Principle Investigator, New Faculty Research Grant, The Relationship Between Microcalcifications, mammary cancer and pre-neoplasia: A sub-gross study with mammographic, histologic, and quantitative DNA correlation.	1990-91
Co-Investigator for Immunopathology Core, Development of Immunoconjugate Therapy for Breast Cancer, NCI P01-CA-47829	1994-97
Principle Investigator, “Exploring Automation in Gynecologic and Cytology: A Study of an Automated Cytologic Preparation Process and Interactive Screening”, beta-test site, AutoCyte, Inc.	1995-98

Principle Investigator, PAPNET Access Program	1997-98
Principle Investigator, Pilot Study to Evaluate the Bioluminate Probe for the Diagnosis Of Breast Cancer	2001-present
Co-Investigator, Capturing Cancer Cells with Peptide-bead Technology NIH 1R21CA94519-01, \$10,000.	2002

POSTER AND PAPER PRESENTATIONS

Howell L , Wright A, Calafati S, Rosen S, Koprowska I. Cytodiagnosis of in-situ and early carcinoma of upper GI tract. Platform presentation, American Society of Cytology, 31 st Annual Scientific Meeting, Denver, CO	11/83
Howell L , Calafati S, Walocitz A, Rosen S. Differential diagnosis of uncommon gynecologic lesions. Poster presentation, American Society of Cytology, 33 rd Annual Scientific Meeting, New Your, NY	11/85
Howell L , Zipfel S, Koprowska I. A Gastrointestinal tissue-specific monoclonal antibody which may be of clinical value in cytologic material. Platform presentation, American Society of Cytology, 34 th Annual Scientific Meeting, Detroit, MI	11/86
Haskin PH, Brandon JC, Conti P, NaJuar D, Howell L , Haskin ME. Post-traumatic bile duct strictures: The etiology and implications for percutaneous management. Platform presentation, 17 th International Congress of Radiology, Paris, France	7/89
Howell L , Deitch A, Andreotti V, Helms L, de Vere White R. A fixation method useful for routine cytologic examination and flow cytometry of urine and bladder washing specimens. Poster presentation, American Society of Cytology, 38 th Annual Scientific Meeting, Washington, DC	11/90
Howell L , Russell L, Howard PH, Teplitz R. The cytology of pediatric masses: A differential diagnostic approach. Poster presentation, American Society of Cytology, 38 th Annual Scientific Meeting, Washington, DC	11/90
Howell L , Goodnight J. Diagnosis of palpable breast cancer by FNA: A changing role? Platform presentation, American Society of Cytology, 39 th Annual Scientific Meeting, Los Angeles, CA	11/91
Howell L , Gandour-Edwards R, O'Sullivan D. Application of the Scarff-Bloom-Richardson tumor grading system to fine needle aspirates of the breast. Poster presentation, American Society of Cytology, 40 th Annual Scientific Meeting, Quebec City, Quebec, Canada	10/92
Howell LP , Davis RL. Follow-up of Pap smears diagnosed as atypical squamous cells of undetermined significance. Poster presentation, American Society of Cytology, 41 st Annual Scientific Meeting, Houston, TX	11/93
Davis RL, Howell LP , Gann D. Body fluid correlation in hematology and cytology: An important aspect of pathology quality assurance. Poster presentation, American Society of Cytology, 41 st Annual Scientific Meeting, Houston, TX	11/93
Howell LP , DeNardo S, Levy N, Lund J, DeNardo G. Comparative Staining of Ductal Carcinomas of the Breast by Monoclonal Antibodies used in Imaging and Therapy. Poster presentation, American Society of Clinical Pathologists Spring Meeting, Seattle, WA	4/94

Howell LP, Beerline D, King E, Rosenthal D, Lianov L, Nelson L. Sample Adequacy and Atypical Squamous Cells and Undetermined Significance in cervical-Vaginal Cytology from the California Breast and Cervical Cancer Control Program: A Preliminary Report. Poster presentation, American Society of Cytology, 42nd Annual Scientific Meeting, Chicago, IL 11/94

Howell LP, Beerline D, King E, Lianov L, Nelson L. Concordance of Cervical Cytology and Pathology Reports from the California Breast and Cervical Cancer Control Program: A preliminary study. Poster presentation. American Society of Cytopathology, 43rd Annual Scientific Meeting, New York, NY 11/95

Galvez J, **Howell L**, Costa M, Davis R. The Diagnostic Concordance of Telecytology vs. Conventional Cytology for the evaluation of Breast FNA's. Poster presentation. American Society of Cytopathology's, 44th Annual Scientific Meeting, Denver, CO 11/96

Howell LP, Davis RL, Belk TI, Agdigos R, Lowe J. AutoCyte (CytoRich) preparations for Gynecologic Cytology. Poster presentation. United States & Canadian Academy of Pathology, 86th Annual Scientific Meeting, Orlando, FL 3/97

Howell LP, Belk TI, Agdigos R, Davis R, Lowe J. The AutoCyte Interactive Screening System: Experience at a University Hospital Cytology Laboratory. 5th International Conference on the Computerized Cytology and Histology Laboratory, International Academy of Cytology, Chicago, IL 3/98

Eckert R, **Howell LP**. Number, Size and Composition for Cell Cluster as Related to Breast FNA adequacy. Poster presentation, American Society of Cytopathology, 46th Annual Scientific Meeting, Nashville, TN 11/98

Howell LP. Equivocal Diagnoses in Breast Aspiration Biopsy Cytology: Sources of uncertainty and the role of "Atypical/Indeterminate" terminology. USCAP 88th Annual Meeting, San Francisco, CA 3/99

Howell LP, Dumbauld S, Lianov L. Pap diagnoses and follow-up from the California Breast and Cervical Cancer Control Program: Age-related trends and accuracy in detecting CIS and Cancer. American Society of Cytopathology, 48th Annual Scientific Meeting, Philadelphia, PA. 11/00

PUBLICATIONS

BOOKS

Viehl P, **Howell L**. Guides to Clinical Aspiration Biopsy: Pediatrics, New York: Igaku-Shoin 1993

O'Grady LF, Lindfors KK, **Howell LP**, Rippon MB. A Practical Approach to Breast Disease, Boston: Little Brown Medical Publishers 1994

Kline TS, Kline IK, **Howell LP**. Guides to Clinical Aspiration Biopsy: Breast. Philadelphia: Lippincott Medical Publishers 1999

LIMITED DISTRIBUTION PUBLICATIONS

Clinical Breast Protocols Workgroup (includes **Howell LP**), California Dept. of Health Services. Breast Diagnostic Algorithms for Primary Care Clinicians, UC Davis Press. Distributed statewide to health-care providers in the California Breast and

- Cervical Cancer Control Program. 1997
- Clinical Breast Protocols Workgroup (includes **Howell LP**), California Dept. of Health Services. Breast Diagnostic Algorithms for Primary Care Clinicians, 2nd edition, UCDavis Press. Distributed statewide by the California Dept. of Health Services to health-care providers in the California Breast and Cervical Cancer Control Program. 2000
- Cervical Cancer Professional Education Workgroup (includes **Howell LP**) Unit Project Final Report, Cancer Detection Section, California Department of Health Services (Funded by the Center for Disease Control and Prevention grant #U57/CCU906656-08-3). Distributed nationally by the CDCP to Breast and Cervical Cancer Control Programs in all fifty states. 2000
- Howell L**, Raab S. Comparison of computer-based proficiency testing and glass slide proficiency testing for cytology. Focus (newsletter of the Papanicolaou Society of Cytopathology) 2002; 9:6. 2002

BOOK CHAPTERS

- Howell L**, Lindfors K. Chapter Ten: Image-directed NAB of Occult Mammary Lesions. In: Kline TS, Kline IK, eds. Guides to Clinical Aspiration Biopsy: The Breast. New York, Igaku-Shoin 1989
- Howell L**, Ch. 18: Bone. In: Nguyen GK, Kline TS, eds. Essentials of Aspiration Biopsy: An atlas. New York, Igaku Shoin, 1993
- Howell L**, Ch. 1: Introduction, Ch. 2: Technique, Ch. 5: Infectious and Inflammatory Lesions, Ch. 7: Epithelial Lesions and their Mimics, Ch. 8: Spindle Cell Lesions, Ch. 9: Cystic Lesions. In: Viehl P. Howell L, eds. Guides to Clinical Aspiration Biopsy: Pediatrics. New York: Igaku Shoin 1993
- Howell LP**, Mathiot C. Ch. 4: Lymphoma and Leukemia. In: Viehl P. Howell L, eds. Guides to Clinical Aspiration Biopsy: Pediatrics. New York: Igaku Shoin 1993
- Howell LP**, Ch. 1: Common Questions Regarding Anatomy and Physiology of the Adult Female Breast; Ch. 3: The Pathway to Cancer; Ch. 5: The Biopsy. In: O'Grady L, Lindfors KK, Howell LP, Rippon, MB, eds. Understanding Breast Disease: A Guide for Clinicians. Boston: Little Brown Medical Publishers 1994
- O'Grady LF, Lindfors KK, Joyce V, **Howell LP**. Ch. 7: The Palpable Mass; Ch. 9: Nipple Discharge. In: O'Grady L, Lindfors KK, Howell LP, Rippon MB, eds. Understanding Breast Disease: A Guide for Clinicians. Boston: Little Brown Medical Publishers 1994
- Howell LP**. Pediatric Cytopathology. In Atkinson BF (ed): Atlas of Diagnostic Cytopathology, 2nd edition. Philadelphia, Saunders, (in press). 2003

BOOK REVIEWS

- Howell L**. Book review. Guides to Clinical Aspiration Biopsy: Retroperitoneum, by K. Suen. Diagn Cytopathology 1991;7:106. 1991
- Howell L**. Book review. Essentials of Aspiration Biopsy Cytology, by GK Nguyen and TS Kline. Modern Pathology 1993;6:79. 1993

LETTERS

Howell L, Malignant Neoplasms Metastasizing to Benign Host Tumors (letter). Arch Pathology Lab Med 108 (12): 940 1984

Lindfors KK, **Howell LP**. Letter to the editor re: Sept. 24, 1992 Donegan Article. NEJM 1993; 328: 811 1993

JOURNAL ARTICLES

Lucas R, **Howell L**, Wall B. Nifedipine-induced gingival Hyperplasia: A histochemical and ultrastructural study. J Periodont 56(4):211-217,1985 1985

Howell L, Wright A, Calafati S, Rosen S, Koprowska I. Cytodiagnosis of in-situ and early carcinoma of the upper GI tract. Acta Cytol 1985;29:269-273. 1985

Howell L, Zipfel S, Steplewski Z, Koprowska I. A gastrointestinal tissue-specific monoclonal antibody which may be of clinical value in cytologic material. Acta Cytol 1987;31:802-806. 1987

Howell L, Chow SC, Russell L. Cytodiagnosis of extra-hepatic biliary duct tumors in specimens obtained during cholangiography. Diag Cytopathol 1988;4:328-334. 1988

Howell L, Teplitz R. Papillary carcinoma of prostatic ductal origin: A cytologic case report with immunohistochemical and quantitative DNA correlation. Diag Cytopathol 1989;5:211-216. 1989

Howell L, Kline T. Medullary carcinoma of the breast: A rare cytologic diagnosis in cyst fluid aspirates. Cancer 1990;65:277-282. 1990

Deitch AD, Andreotti VA, Strand MA, **Howell LP**, de Vere White RW. A clinically applicable method for preserving urine and bladder washing cells for flow cytometric monitoring of bladder cancer patients. J Urol 1990;143:700-705. 1990

Howell L, Amott T, de Vere White R. Aspiration biopsy cytology of the prostate in young adult men. Diag Cytopathol 1991;6(2):89-94. 1991

Howell L, Lindfors K, Russell L. Cytologic interpretation of fine needle aspiration biopsies from clinically occult breast masses. Diagn Cytopathol 1991;7:235-238. 1991

Howell L, Russell L, Howard PH, Teplitz R. Fine needle aspiration biopsy of superficial masses in children. Western J Med 1991;155:33-38. 1991

Howell L. Pitfalls in the cytologic diagnosis of lobular carcinoma of the breast, ASCP CheckSample: Cytopathology No. C914(C-214) 1991

Howell L, Russell L, Teplitz R. The cytology of pediatric masses: A differential diagnostic approach. Diagn Cytopathol 1992;8:107-115. 1992

Howell L, Deitch A, Andreotti V, Helms L, de Vere White R. A fixation method useful for routine cytologic examination and flow cytometry of urine and bladder washing specimens. Urology 1993;41:472-475. 1993

Howell L. Diagnosis of palpable breast cancer by FNA: A changing role? (editorial). *Diagn Cytopathol* 1993;6:611-612. 1993

Howell L, Gandour-Edwards R, O’Sullivan D. Application of the Scarff-Bloom-Richardson Tumor Grading System to Fine Needle Aspiration of the Breast. *Am J Clin Pathol* 1994;101:262-265. 1994

Teuber SS, **Howell L**, Yoshida SH, Gershwin ME. Remission of sarcoidosis following removal of silicone breast implants. *Int J Arch Allergy Immunol* 1994;105:404-407. 1994

Howell L. Epitomes in Pathology, Cervical Pathology: The Bethesda System and the ASCUS controversy, *West J Med* 1995;162:446-447. 1995

Howell L, DeNardo S, Levy N, Lund J, DeNardo G. Immunohistochemical staining of ductal carcinomas of the breast by monoclonal antibodies used in imaging and therapy: A comparative study. *Int J Biol Markers* 1995;10:129-135. 1995

Howell LP, Davis RL. Follow-up of Pap smears diagnosed as atypical squamous cells of undetermined significance. *Diagn Cytopathol* 1996;14:20-24. 1996

Costa MJ, Campman SC, Davis RL, **Howell LP.** Fine needle aspiration cytology of sarcoma: Retrospective review of diagnostic utility and specificity. *Diagn Cytopathol* 1996;15:23-32. 1996

NCI Subcommittee (includes **Howell LP**), The uniform approach to breast fine needle aspiration biopsy: A Synopsis. *Acta Cytol* 1996;40:1120-1126. 1996

Melnikow J, Nuovo J, Paliescheskey M, Stewart G, **Howell L**, Green W. Detection of high grade cervical dysplasia: Impact of age and Bethesda System-related follow-up criteria. *Diagn Cytopathol* 1997;17:321-325. 1997

Howell L, Davis RL, Belk TI, Agdigos R, Lowe J. AutoCyte (Cytorich) preparations for gynecologic cytology. *Acta Cytologica* 1998;42: 171-177. 1998

Bishop DW, Bigner SH, Colgan TD, Husain M, **Howell LP**, McIntosh KM, Taylor DA, Sadeghi MH. Multicenter masked evaluation of AutoCyte-Prep thin layers with matched conventional smears. *Acta Cytological*, 1998;42:189-197. 1998

Ablin DS, Jain K, **Howell L**, West DC. Ultrasound and MR-imaging of fibromatosis colli (sternomastoid tumor of infancy). *Pediatric Radiol* 1998;28:230-233. 1998

McInikow J, Nuovo J, William A, Chan BKS, **Howell L.** The natural history of cervical squamous intra-epithelial lesions: A meta-analysis. *Obstet gynecol* 1998;92:727-735. 1998

Howell LP, Belk T. Agdigos R, Davis R, Lowe J. The Autocyte interactive screening System: Experiences at a University hospital cytology laboratory. *Acta Cytol* 1999;43:58-64. 1999

Teuber SS, Reilly DA, **Howell L**, Oide C, Gershwin ME. Severe migratory granulomatous reactions to silicone gel line three patients. *J Rheumatol* 1999;26:699-704. 1999

Leigh BR, Burke PA, Hong AM, O’Donnell RT, **Howell LP**, Maiers LA, DeNardo GL, DeNardo SJ. Preclinical evaluation of chimeric L6 antibody for the treatment of Kaposi’s Sarcoma with radioimmunotherapy. *Cancer Biother Radiopharm* 1999;14:1-5. 1999

Howell LP. Equivocal diagnoses in breast aspiration biopsy cytology: Sources of uncertainty and the role of “Atypical/Indeterminate” terminology. *Diagn Cytopathol* 1999;21:217-222. 1999

Howell LP. The changing role of fine needle aspiration in the evaluation of pediatric masses. <i>Diagn Cytopathol</i> 2001; 24: 65-70.	2001
Nuovo J, Melnikow J, Howell LP. New tests for cervical cancer screening. <i>Amer Fam Phy</i> , 2001; 64:780-786.	2001
Howell LP, Hogarth M, Anders TF. Creating a mission-based reporting system for an academic health center. <i>Acad Med</i> 2002; 77:130-138	2002
Solomon D, Davey D, Kurman R, Moriarty A, O'Connor D, Prey M, Raab S, Sherman M, Wilbur D, Wright T, Young N for the Forum Group Members (includes Howell L) and the Bethesda 2001 Workgroup. The 2001 Bethesda System: Terminology for reporting results of cervical cytology. <i>JAMA</i> 2002; 287: 2114-2119.	2002
Howell LP, Hogarth M, Anders TF. Implementing a mission-based reporting system at an academic health center: A method for mission enhancement. <i>Acad Med</i> 2003; 78: 1-7.	2003
Howell LP, Tabnak F, Tudury AJ, Stoodt G. Role of Pap Test Terminology and Age in the Detection of Carcinoma Invasive and Carcinoma In-situ in Medically Under-Served California Women. <i>Diagn Cytopathol</i> , in press.	2003
Howell LP, Green R, Anders TF. A mission-based reporting system applied to an academic medical center. <i>Hum Pathol</i> , in press.	2003
Cytology Education and Technology Consortium (includes Howell LP). Daily workload guidelines for cytotechnologists utilizing automated assisted-screening technologies. <i>Acta Cytologica</i> , in press.	2003
Howell LP, Bertakis KD. Clinical Faculty Tracks and Academic Success at the University of California. <i>Acad Med</i> , in press.	